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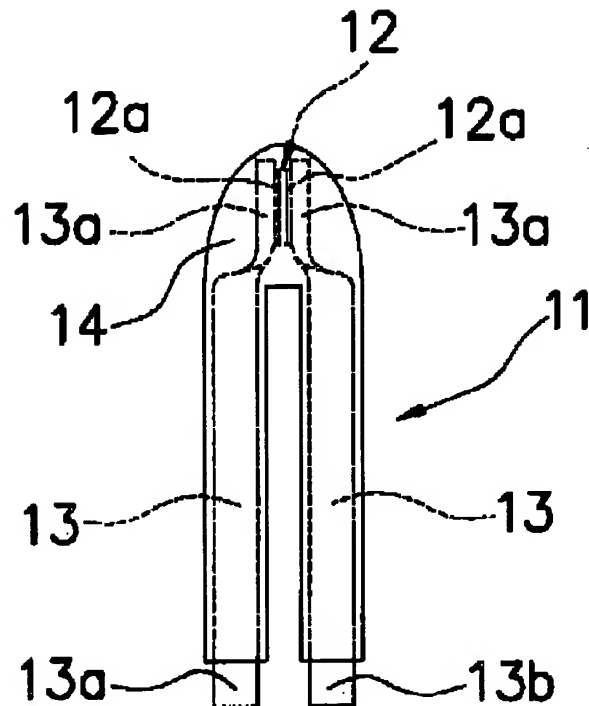
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APPLICANT : MURATA MFG CO LTD;

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TITLE : THERMAL SENSOR AND
MANUFACTURE THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To surely connect lead terminals with a temperature detecting device and more correctly detect a temperature by electrically junctioning a terminal plate surface of the lead terminals which are twisted and of which terminals face each other in a plate state, with a terminal electrode by soldering and so on.

SOLUTION: A thermal sensor 11 comprises a negative characteristic thermistor device 12 which is a temperature detecting device with which terminal electrodes 12a and 12a are formed, lead terminals 13 and 13 of which terminals 13a and 13a are equipped with terminal electrodes 12a and 12a by solder and so on, and outer covering resin 14 which covers over the negative property thermistor device 12 and the lead terminals 13 and 13. A pair of the terminal electrodes 12a and 12a is formed on major surfaces of the negative property thermistor device 12, on which negative property thermistor elements having a chip shape face each other. The lead terminals 13 and 13 have material of phosphor bronze, have a spring property, have a plate with a rectangular section, and have twisted parts near terminals 13a and 13a. The terminals 13a and 13a of the lead terminals 13 and 13 face each other in a plate state.

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